

17322604

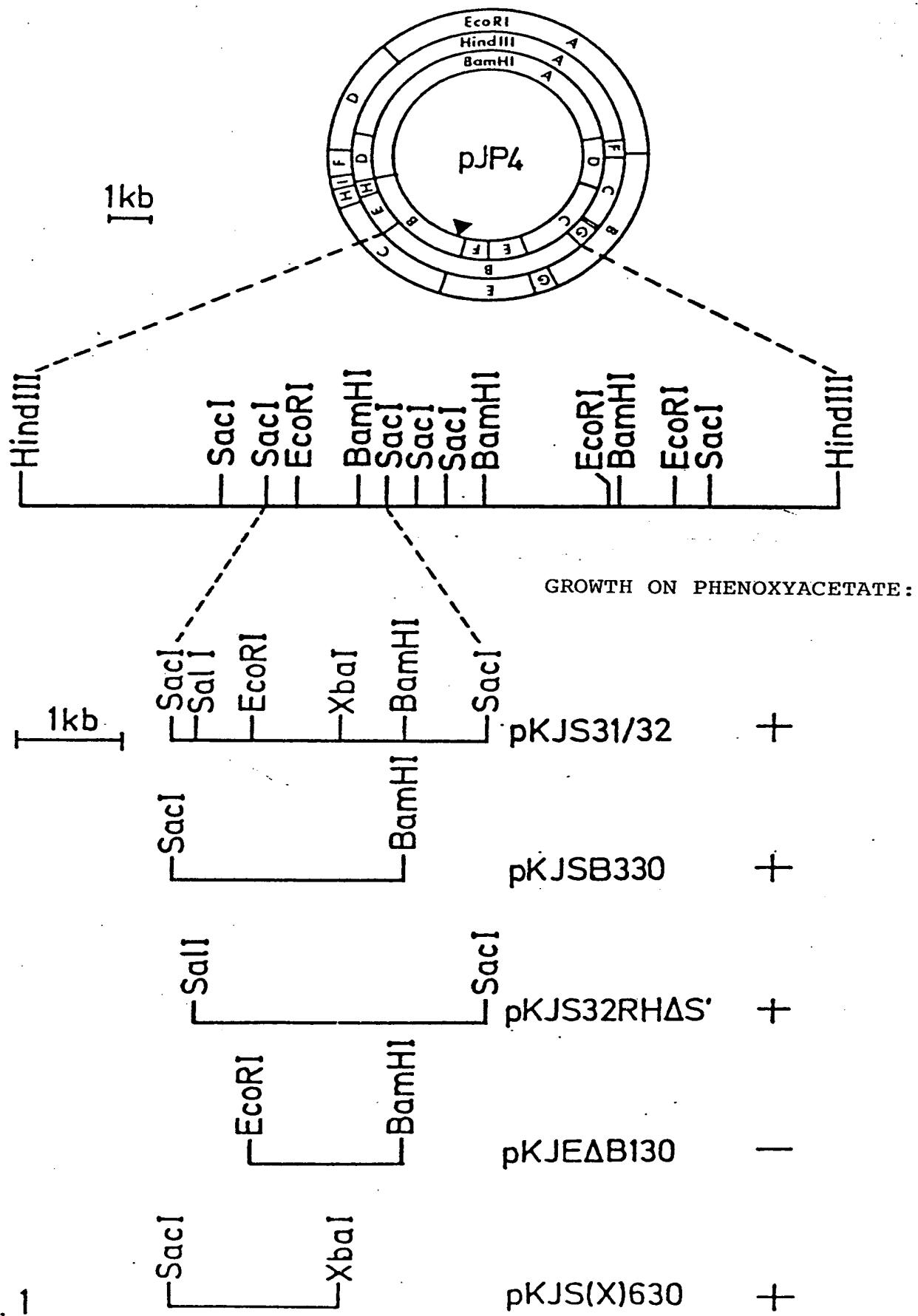


FIG. 1

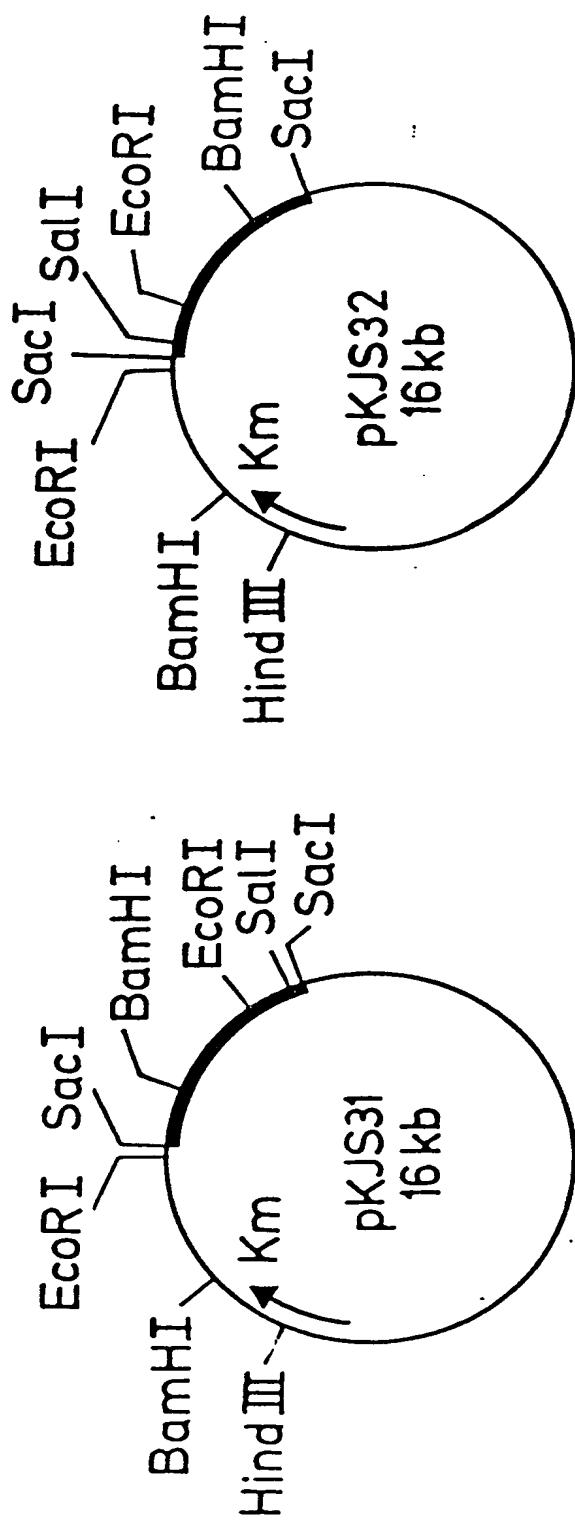
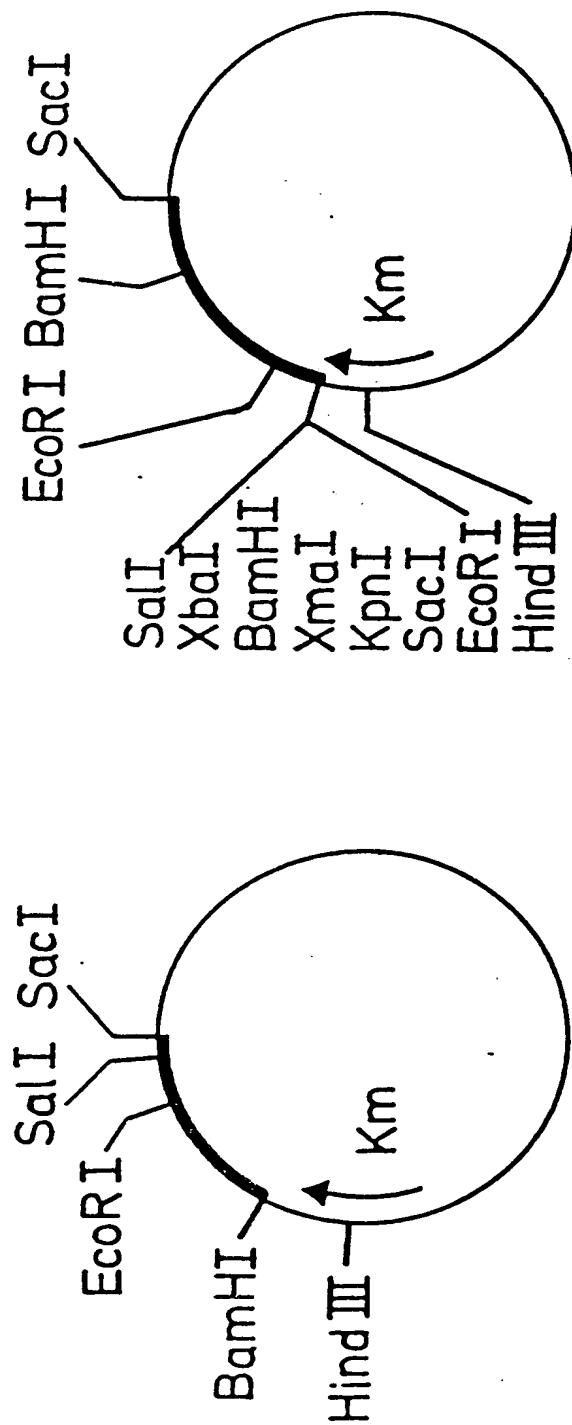
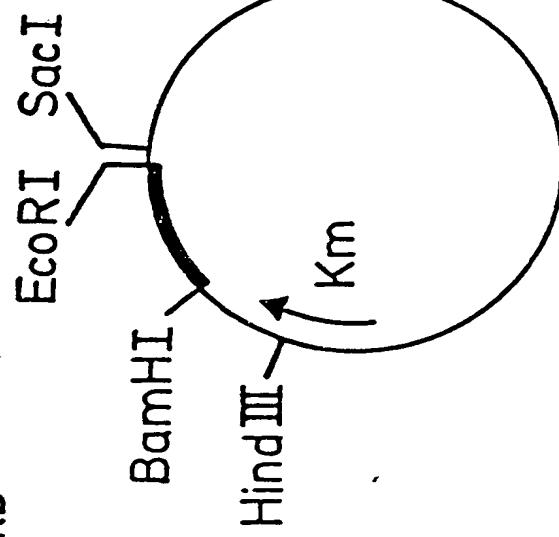


FIG. 2

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pKJSB330
13.2kb



pKJEΔB130
12.7kb

FIG. 3

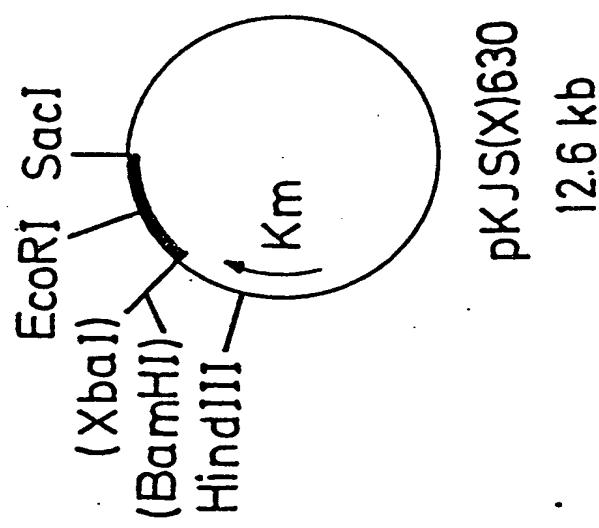


FIG. 4

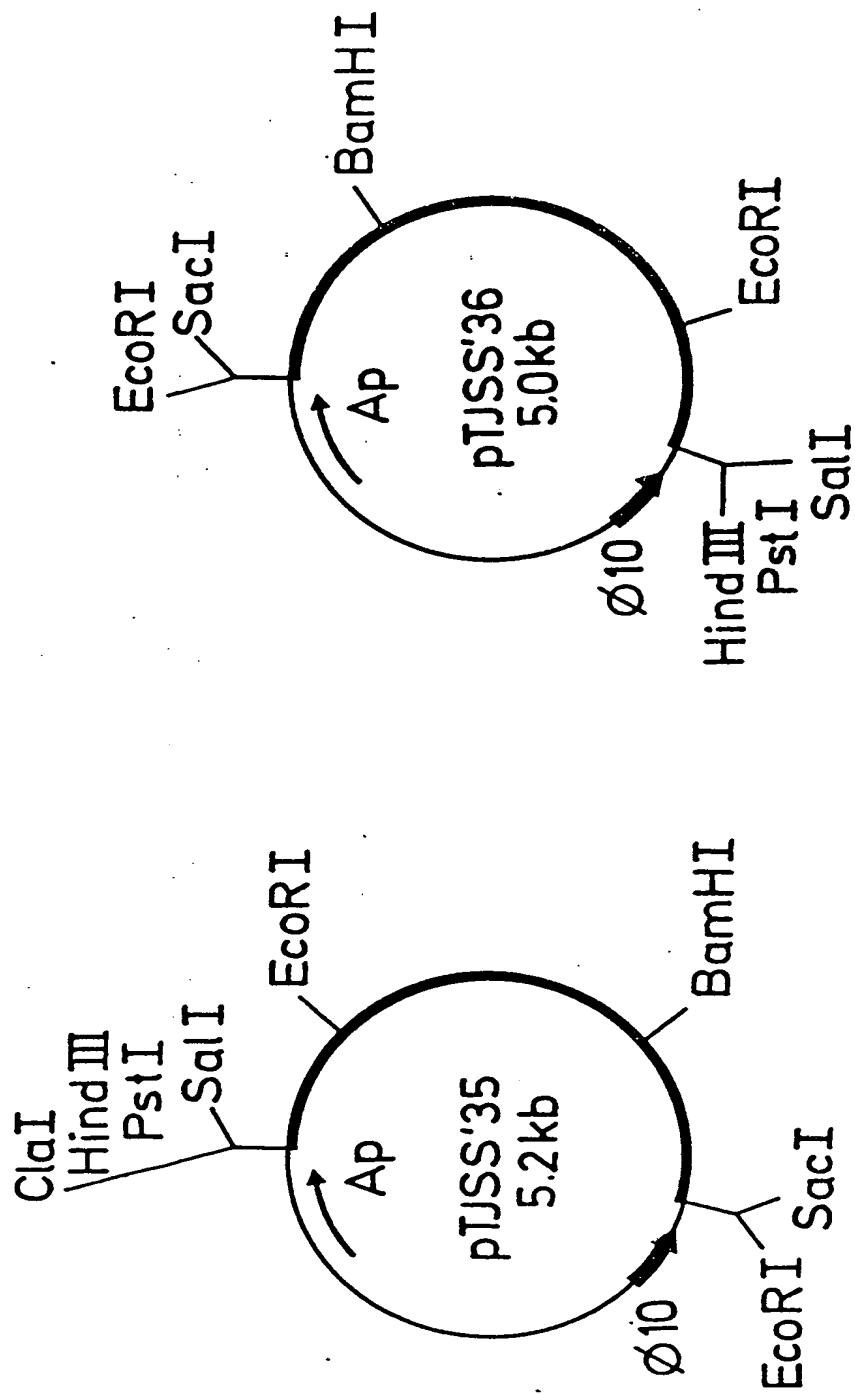
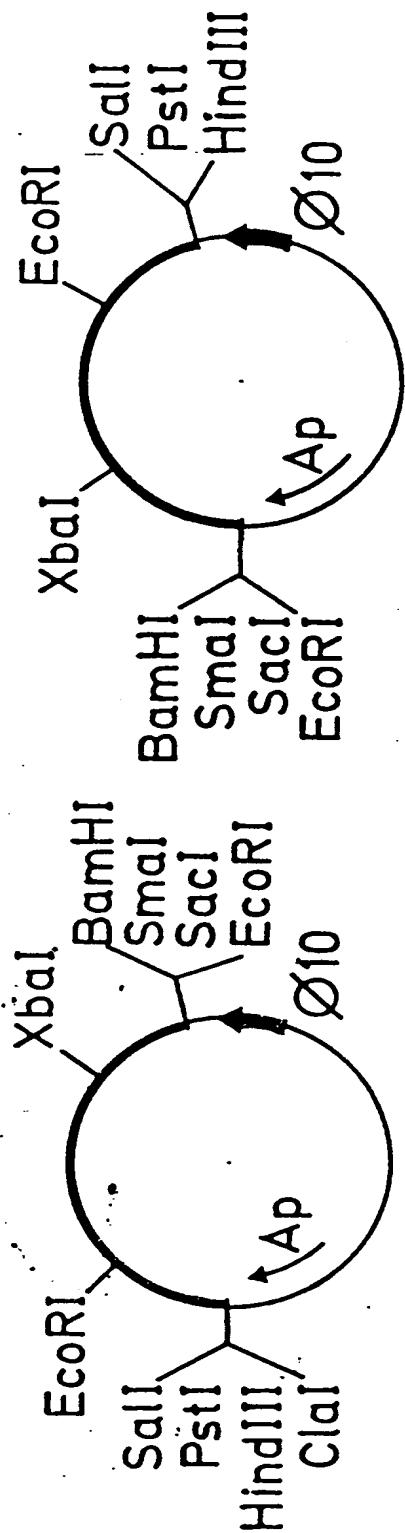


FIG. 5

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pTJS'B436
4.2kb

pTJS'B435
4.4kb

FIG. 6

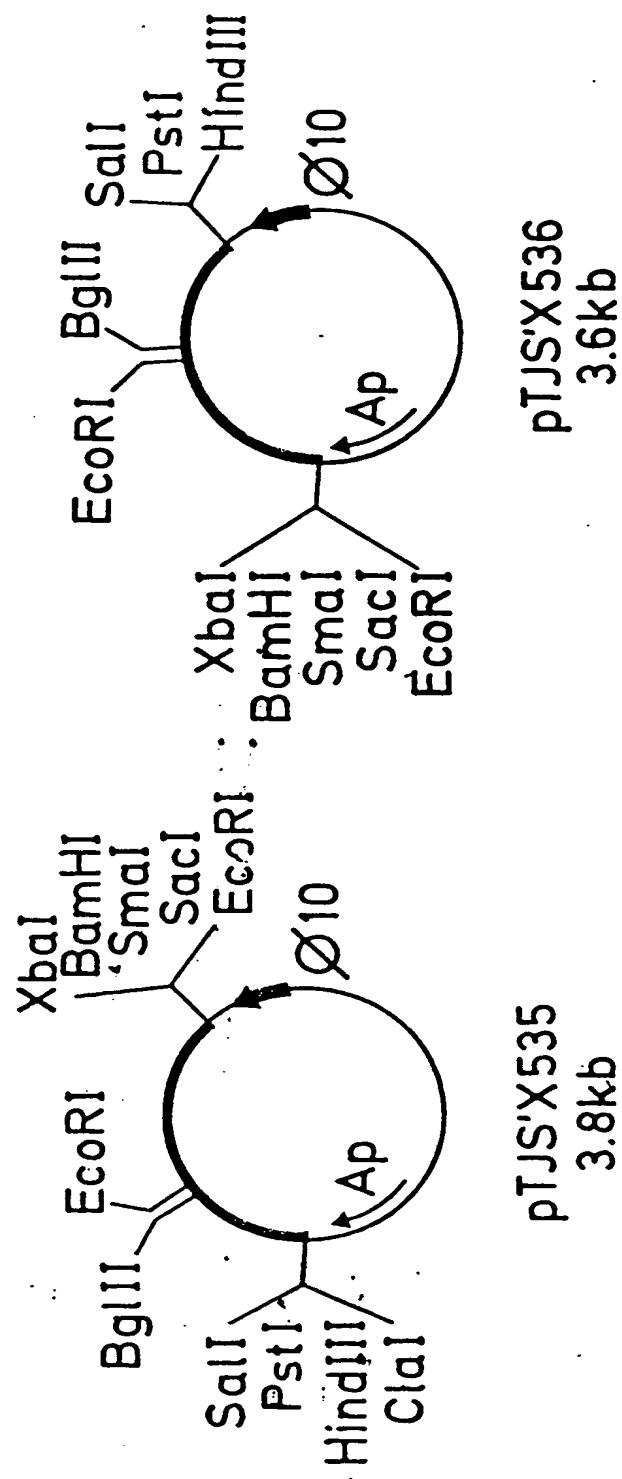


FIG. 7a

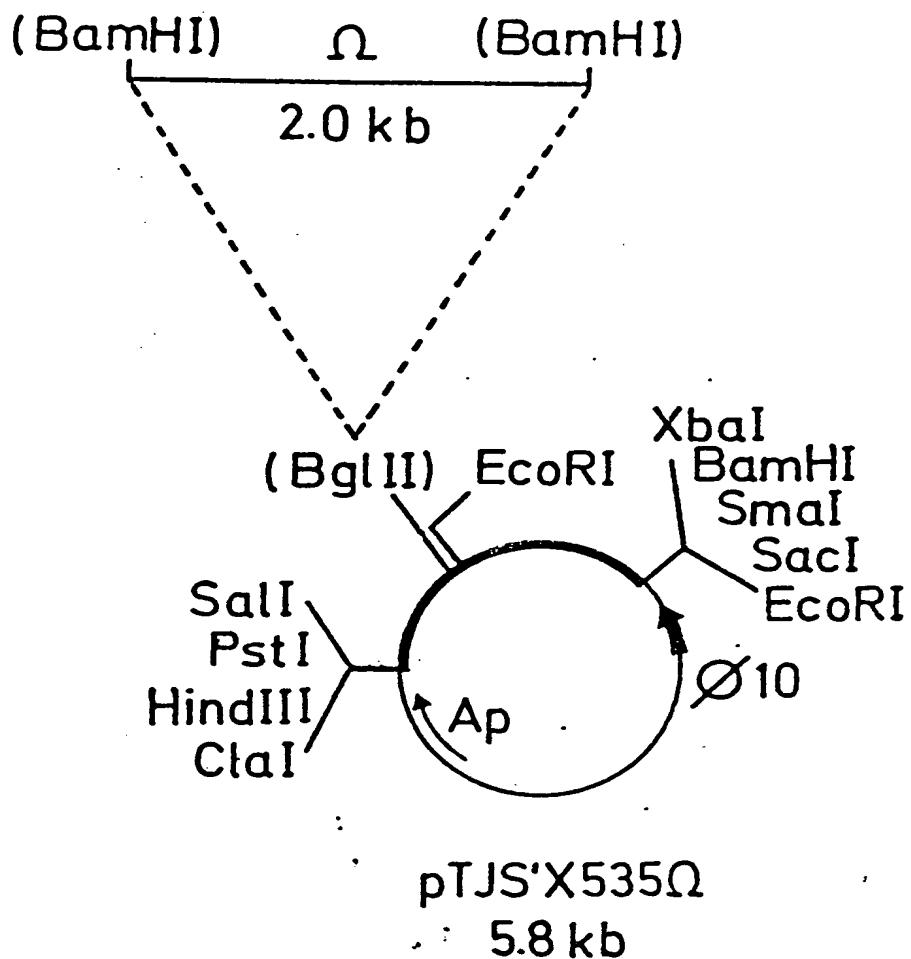


FIG. 7b

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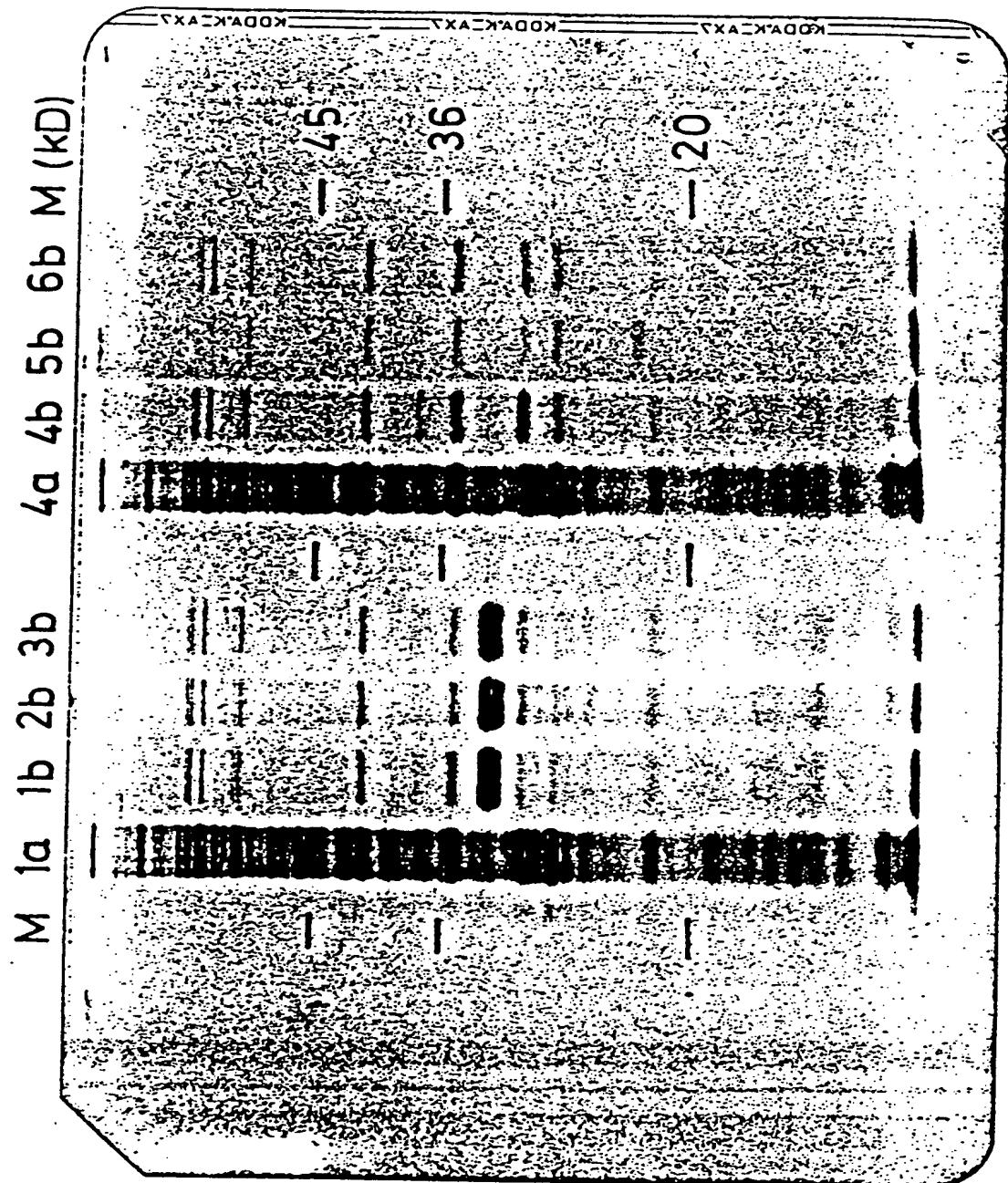


FIG. 8

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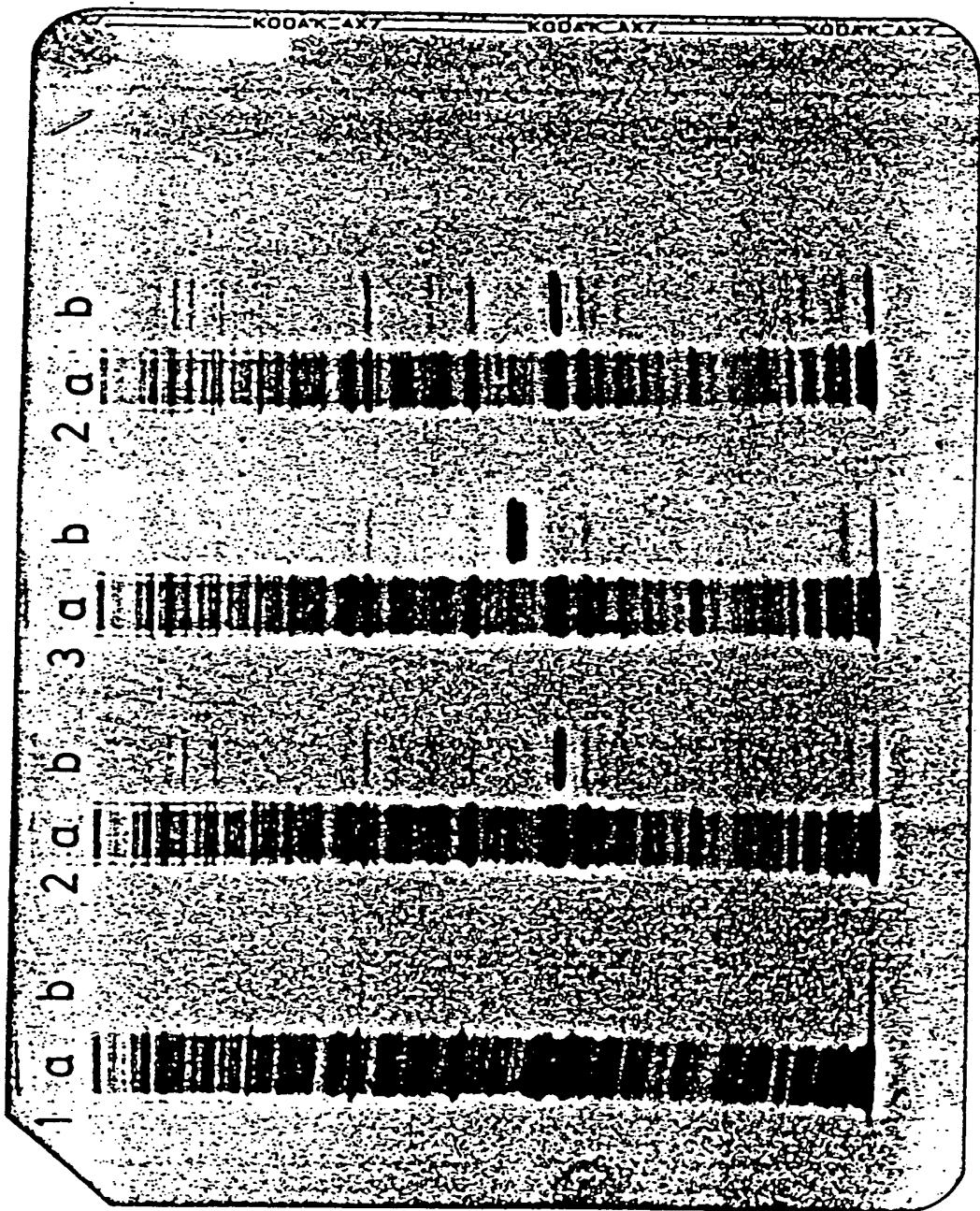


FIG. 9

10 20 30 40 50 60
 GGATCCTGTCTCAGCTGGCGCCAAATGCTCGAACCCGCTGCGATATAACAGCCGTTCTAG
 70 80 90 100 110 120
 TGCACGGTGCCTCACCGTGATTCCAGGCTCCCTGGGGTAGAACGGCCGACACCGAGATGG
 130 140 150 160 170 180
 ATGGTGCCGGCACCGCAGGGCCTCGATCTGCCGACCTTGGCATCAGGGCAGAGACAGC
 190 200 210 220 230 240
 GTCGCCCCGGGACCGCCCTGCGTGAACGCATGGAGCAATGCCGGACGGTCTGGTAGATC
 250 260 270 280 290 300
 GCCGTGCCGAGGTAGCCGATATCGAGTTGCCGATCTGCCGGCTGGCGGGAC
 310 320 330 340 350 360
 CGGTCCACCGAACGTCCGACCCAGTCGAGCATGCCGTGCATCTCGAGAAACGCCGGC
 370 380 390 400 410 420
 CGGCGGCGTGAGCTGCACGCCGCGCGCTGCCCTCGAACACAACACGCCAGATGC
 430 440 450 460 470 480
 TGTTCGAGCGCGTGAATCTGCGCGTACCGGGGGCTGGAAATATGCAGCCGCCCG
 490 500 510 520 530 540
 CGGGCACCGACGTTGCCCTCCCGGGCAGCAACGAAATAGCGAAGCTGTCAAACTCC
 550 560 570 580 590 600
 ATTCTTCACTCCTGGTGGCTGGCTCCGGCTGCCGGAGAGCCATACCGATCCGTATCGCT
 610 620 630 640 650 660
 CGCGCTGATGGAAGGTATTAGACCATATGGCCCGGATTTCTAGACTACCGCCATGATAA
 670 680 690 700 710 720
 AACTCGGCTGCTCTCGTCTGCTGGAACATCTTCAGGCCGCTGAGCCGTCTTTGAA
 730 740 750 760 770 780
 ACAGTCTCTTAGAAAAGGAGCAAAAAAGTGAAGCGTCGTCGAAATCCCTTCATCCTCTT
 790 800 810 820 830 840
 TTCGCCGCAAGGGTCGAAGACATCGACCTTCGAGAGGCCCTGGGTTCGACCGAGGTCCGA
 850 860 870 880 890 900
 GAGATCGAACGGCTAATGGACGAGAAGTCGGTCTGGTGTTCGGGGCAGCCCTGAGT
 910 920 930 940 950 960
 CAGGATCAGCAGATCGCCTCGCGCGCAATTTCGGGCCACTCGAAGGGGTTTCATCAAG
 970 980 990 1000 1010 1020
 GTCAATCAAAGACCTTCGAGATTCAAGTACGCCGAGTTGGCGGACATCTCGAACGTCAGT
 1030 1040 1050 1060 1070 1080
 CTCGACGGCAAGGTGGCGAACCGGATGCCGAGGTGGTGGAACTTCGCGAAC
 1090 1100 1110 1120 1130 1140
 CTCTGGCACAGCGACAGCTCCCTTCAGCAACCTGCTGCCGCTACTCGATGCTCTCCGG
 1150 1160 1170 1180 1190 1200
 GTGGTGGTCCGGCGGACCGGACACCGAGTTCTGGACATCGCTGGCAGAC
 1210 1220 1230 1240 1250 1260
 GCGCTGCCCTCGGGACCTCCAATCCGAGTTGGAAGGGCTGGCGGCCGAGCACTACCGACTG

1270 1280 1290 1300 1310 1320
 AACTCCCGTTCCCTGCTCGGCGACACCGACTATTCGGAAGCGCAACGCAATGCCATGCCG
 1330 1340 1350 1360 1370 1380
 CCGGTCAACTGGCCGCTGGTTCGAACCCACGCCGGCTCCGGGCGCAAGTTCTCTTCATC
 1390 1400 1410 1420 1430 1440
 GGGCGGCACGCCACGTCGAAGGCCTCCGGTGGCGAAGGCCGGATGCTGCTTGC
 1450 1460 1470 1480 1490 1500
 GAGCTTCTCGACCGACACAGCGGGATTCTGTACCGGCATCGCTGGAACGTGGGA
 1510 1520 1530 1540 1550 1560
 GATCTGGTGTGACGGACAACCGCTGCGTTCTCACCGCGGACGGTACGACATCTCG
 1570 1580 1590 1600 1610 1620
 GCCAGGCAGCTGCGCCGGCGACCACCCCTGGACGATGCCGTGCTAGCGCACGCCA
 1630 1640 1650 1660 1670 1680
 TGGCGCACGCCCTTCGCGAAGGCCAACAGATGTACGCAACCTGATCAGCGGCAGC
 1690 1700 1710 1720 1730 1740
 CGTAGCCCTGGACGGCGACACCTTGGCGCAGCGCGTCTCGAGCGGGGGCGCTGGCG
 1750 1760 1770 1780 1790 1800
 GCATGGGATTGAGGCCGGTGTGTCGTCGCCATCCTCATGCGCAATGACTTTCCGGTG
 1810 1820 1830 1840 1850 1860
 CTCGAATGACGCTGGCCCGAACCAGCGCCGGCATCGTTGCCCTTGAACTGGCAT
 1870 1880 1890 1900 1910 1920
 GCGAACCGGGACGAGATGCCCTCATCCTCGAGGACTGCAAAGCGCGTGTGCTCGTC
 1930 1940 1950 1960 1970 1980
 CACACCGATCTGCTCAAGGGCGTTGCATCCCGGGTGCCCGAGGCCTGCAAGGTGCTGGAA
 1990 2000 2010 2020 2030 2040
 GCCCGTGGCCGCCGAGATCCGGCAGGCCTATCGGCTGTCCGATGCCGTGCGCACGGCG
 2050
 AACCCGGGCACGGTCGAC

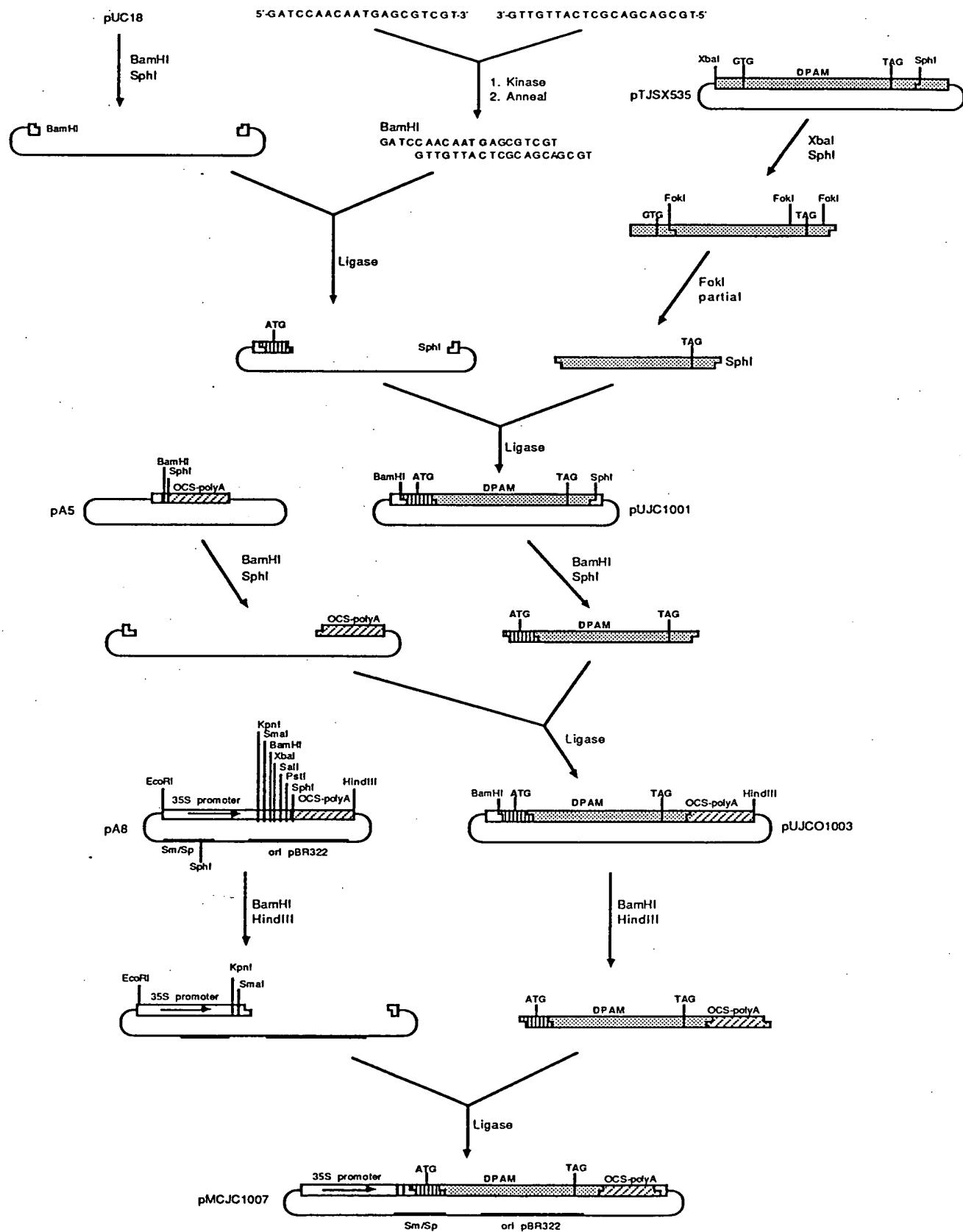
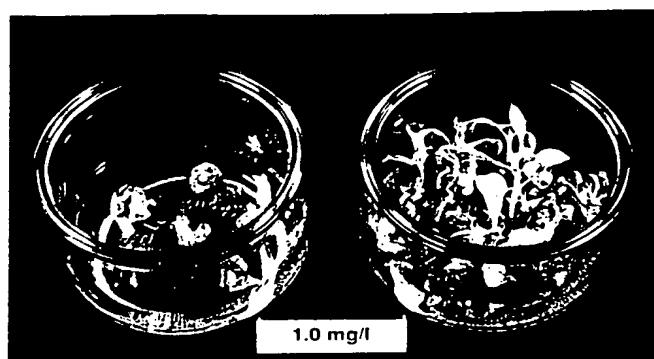


FIGURE 11

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A



B

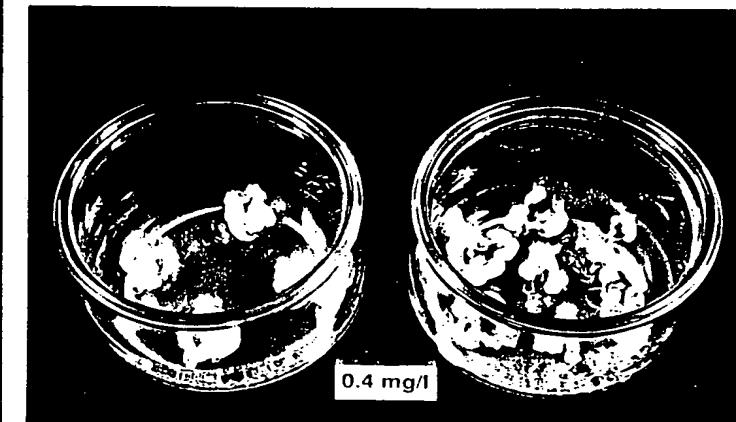


FIGURE 12

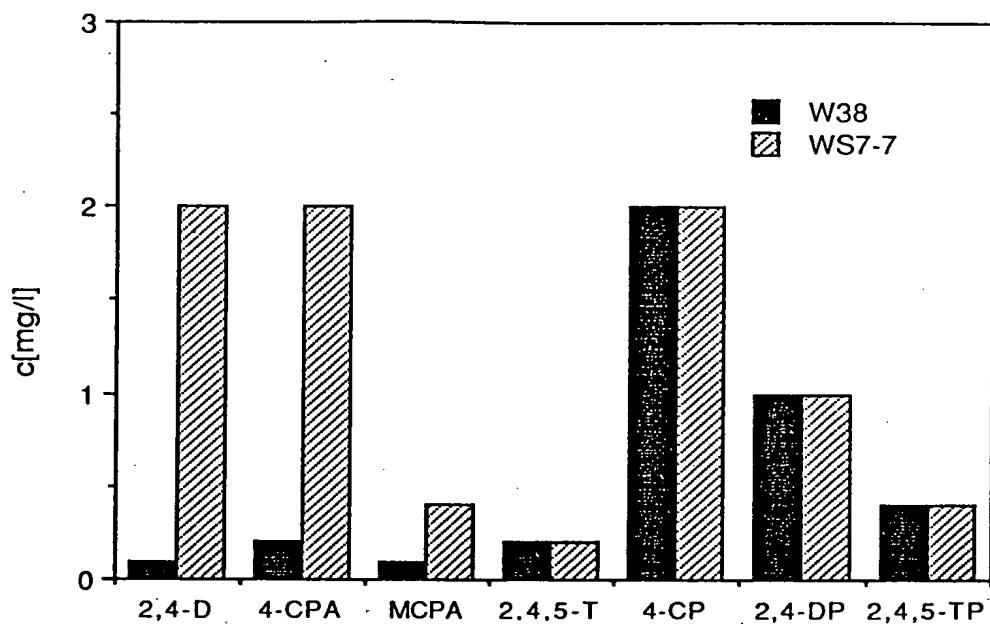


FIGURE 13

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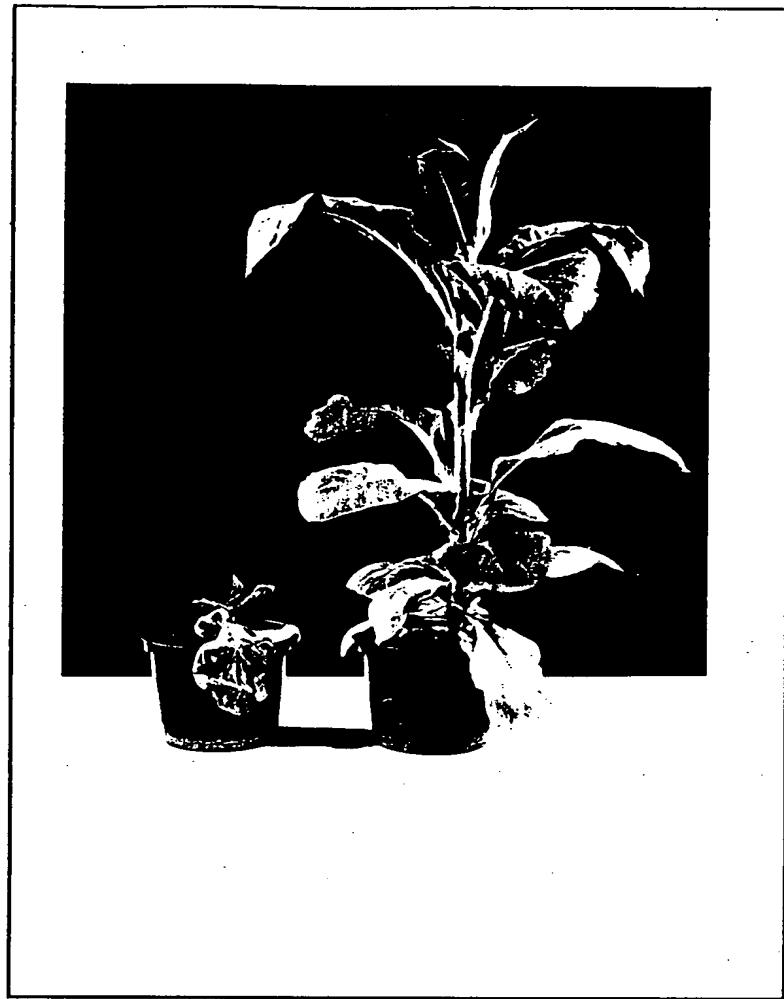


FIGURE 14A

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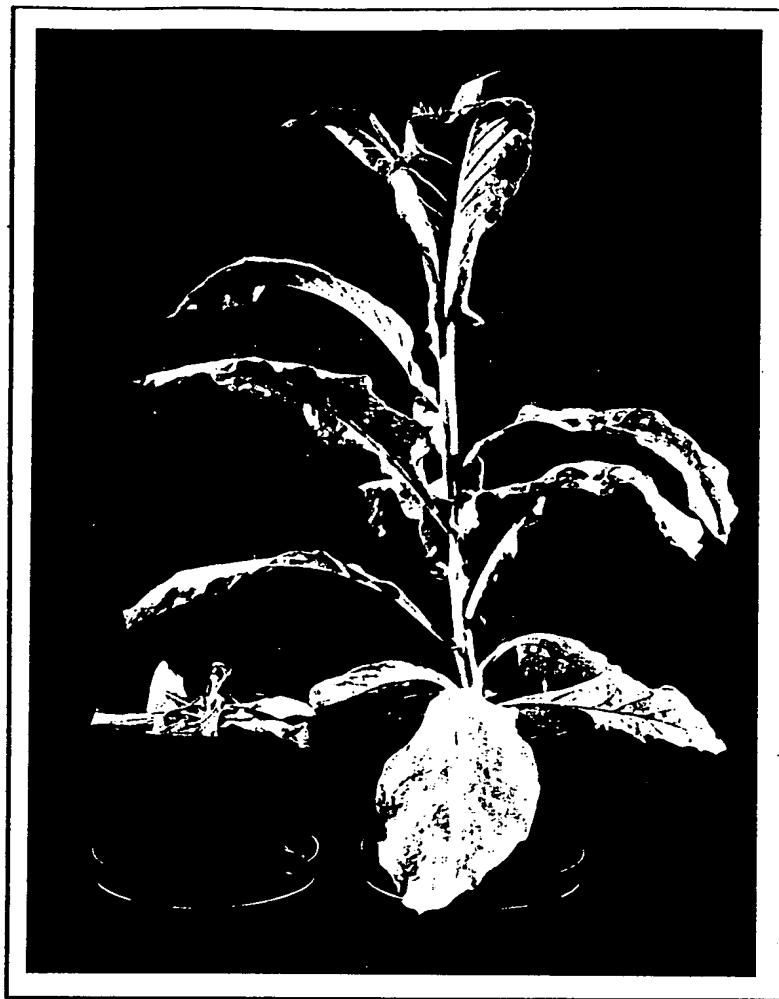


FIGURE 14B